

Applicant: Boney A. Mathew
Serial No.: 10/603,549
Amendment dated April 18, 2005
Reply to Office Communication dated March 17 2005

IN THE CLAIMS:

Please amend the claims as follows:

What is claimed is:

1. **(Currently Amended)** A method (10) of making a part (46) comprising the steps of;

placing an insert (12) having sides (14) and an open top (16) and a bottom surface (18) into a mold cavity(20),

injecting an insulating layer composition (28) into said mold cavity (20) to bond to the bottom surface (18) and the sides (14) of the insert (12) to form an insulating layer (30) of ~~an expandable~~ an expanded compressible polymer with said insulating layer (30) having sides (32) and a bottom (34) to expose the open top (16), and

injecting a part composition (44) over the bottom (34) and the sides (32) of the insulating layer (30) to expose the open top (16) to completely isolate the insert (12) from the part (46) whereby the insulating layer (30) adapts to differences in thermal expansion between the insert (12) and the part (46).

2. **(Previously Presented)** A method (10) as set forth in claim 1 further defined as placing the insert (12) with the insulating layer (30) into a second mold cavity (36) in a second mold (42) and injecting the part composition (44) into said second mold cavity (36).

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Claim 3. (Cancelled)

4. (Currently Amended) A method (10) as set forth in claim 2 wherein said compressible polymer ~~expandable polymer~~ includes a filler.

Claim 5. (Cancelled)

Claim 6. (Cancelled)

7. (Currently Amended) A method (10) as set forth in claim 4 including forming the insulating layer (30) from a compressive polymer with a filler.

8. (Previously Presented) A method (10) as set forth in claim 4 including forming the insulating layer (30) from a thermoplastic polymer.

9. (Previously Presented) A method (10) as set forth in claim 7 including forming the insert (12) with a base (50) extending outwardly from the bottom surface (18) of the insert (12).

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10. **(Previously Presented)** A method (10) as set forth in claim 9 including forming the insert (12) with at least one anchor (68) extending outwardly from the sides (14) and between the open top (16) and the bottom surface (18) of the insert (12).

11. **(Previously Presented)** A method (10) as set forth in claim 10 including forming the insert (12) into said second mold cavity (36) is further defined as placing the insert (12) with a threaded bore (52) extending inwardly from the open top (16) to the bottom surface (18).

12. **(Previously Presented)** A method (10) as set forth in claim 11 including forming the insert (12) into said second mold cavity (36) is further defined as placing the insert (12) with a pin (69) having an external male thread (70).

13. **(Previously Presented)** A method (10) as set forth in claim 12 including forming the insert (12) with a rectangular configuration.

14. **(Previously Presented)** A method (10) as set forth in claim 13 including forming the insert (12) with a round configuration.

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15. **(Previously Presented)** A method (10) as set forth in claim 14 including forming the insert (12) from a polymer.

16. **(Previously Presented)** A method (10) as set forth in claim 15 including forming the insert (12) from a metal.

17. **(Previously Presented)** A method (10) as set forth in claim 1 including forming a shell (54) having inner (56) and outer (58) surfaces and a boss section (60) extending outwardly from the inner surface (56).

18. **(Previously Presented)** A method (10) as set forth in claim 17 including forming the boss section (60) with top (62) and bottom (64) ends and a cavity (66) extending inwardly from the top end (62) to the bottom end (64) to hold the insert (12).

19. **(Previously Presented)** A method (10) as set forth in claim 18 including forming the shell (54) from a polymer.

20. **(Previously Presented)** A method (10) as set forth in claim 19 including adding a dye to the part composition (44) before injecting the part composition (44) into said second mold cavity (36).

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21. **(Previously Presented)** A method (10) as set forth in claim 20 including adding a pigment to the part composition (44) before injecting the part composition (44) into said second mold cavity (36).

22. **(Previously Presented)** A method (10) as set forth in claim 21 including injecting a paint (48) into said second mold cavity (36) over the part composition (44).